

**Electronic Filing System (EFS) Data**  
**Electronic Patent Application Submission**  
**USPTO Use Only**

EFS ID: 11901  
Application ID: 09682073  
Title of Invention: Method of Device-to-Device  
Communications in Hybrid  
Distributed Device Control  
Networks  
First Named Inventor: Antonio Mugica  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2001-07-17  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: 38146  
Digital Certificate Holder: cn=Jeffrey Monroe Furr, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: cyLThLAvsV4poy9MT6Zv9Q==  
Total Fees Authorized: \$355.0  
Payment Category: CC - Credit Card  
Credit Card Number: \*\*\*\*\*9699  
Expiration Date: 09112002  
Card Holder Name: Antonio Mugica  
RAM User ID: EFSPROD  
RAM Accounting Date: 2001-07-18  
RAM Sequence Number: 314754  
RAM Payment Status: RAM success  
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# TRANSMITTAL FORM



Electronic Version 1.0.2

Stylesheet Version: 1.0

Attorney Docket Number:

38146

## Method of Device-to-Device Communications in Hybrid Distributed Device Control Networks

First Named Inventor: Mr. Antonio Mugica

### SUBMITTED BY

Name:

Mr. Jeffrey Furr Esq.

Registration Number:

38146

Electronic Signature Mark: Jeffrey  
Furr

Date Signed: 20010717

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*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration	Dis1.tif
declaration	Dis2.tif
declaration	Dis3.tif
fee-transmittal	D2DHybridfee.xml
bibd-transmittal	D2DHybridapds.xml

specification

D2Dspec.xml

**Attached Image File(s):**

Dis1.tif

Dis2.tif

Dis3.tif

[illegible]

Comments:

096807-0740  
T040" E202360

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PTO/SB/01 (10)

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing **OR** ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number

First Named Inventor

ANTONIO MUGICA

**COMPLETE IF KNOWN**

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD OF DEVICE-TO-DEVICE COMMUNICATIONS IN HYBRID DISTRIBUTED  
CONTROL NETWORKS**

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

(if applicable)

Application Number  and was amended on (MM/DD/YYYY)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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## DECLARATION — Utility or Design Patent Application

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Address

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Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and are believed to be true and further that these statements were made with the knowledge that willful false statements and fraud made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize validity of this application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR

☐ A petition has been filed for this unsigned inventor

Given Name

ANTONIO

Family Name

MUGICA

(first and middle (if any))

or Surname

Inventor's  
Signature

Date

7/11/2007

Residence: City

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33498

Country

U.S.A.

NAME OF SECOND INVENTOR

☐ A petition has been filed for this unsigned inventor

Given Name

PAUL

Family Name

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(first and middle (if any))

or Surname

Inventor's  
Signature

Date

7/11/2007

Residence: City

Caracas

State

Venezuela

Citizenship

Venezuela

Mailing Address

Ave Rosario, Transversal 16

Mailing Address

Q In Ana Michel, Los Chagres

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Under the Patent and Trademark Act of 1980, no patent will be granted to anyone who furnishes false or misleading information on a patent application or who engages in any fraudulent conduct in connection with the patent process.

<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet Page 1 of 1
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle, if any):		Family Name or Surname	
LINO		KALESIAS	
Inventor's Signature <i>Lino Kalesias</i>		Date <i>7/11/20</i>	
Residence: City	State	Country	Citizenship
<i>Caracas</i>		<i>Venezuela</i>	<i>Venezuela</i>
Mailing Address <i>Av. La Salle la Colina Coo Actas Bolo,</i>			
Mailing Address <i>Qta. Mis negros</i>			
City	State	ZIP	Country
<i>Caracas</i>			<i>Venezuela</i>
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle, if any):		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle, if any):		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

# FEE TRANSMITTAL

Electronic Version 1.0.4

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Small Entity

Small Business Concern

**TOTAL FEES AUTHORIZED: \$ 355**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 9699  
Expiration Date: 20020911  
Authorized Name: Antonio Mugica  
Billing Address: 33487

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	201	\$ 355

Subtotal For Basic Filing Fee: \$ 355

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 7	203	\$ 9	0	\$ 0
Independent Claims: 1	202	\$ 40	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0